

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Construction of Culverts, Desilting and Debris Clearance in ward no 08 Kodigehalli.

		Estimate Cost Rs.						800000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 142 / Item No. 19.1, PWD SR 2016-17	Cum							
	Drain Desilting								
	Maruthinagara 1st main		2	320.00	0.50	0.50	160.00		
	Maruthinagara 2nd cross		2	137.00	0.50	0.50	68.50		
	Maruthinagara 3rd cross		2	126.00	0.50	0.50	63.00		
	Maruthinagara 4th cross		2	135.00	0.50	0.50	67.50		
	Maruthinagara 5th cross		2	126.00	0.50	0.50	63.00		
	Maruthinagara 6th cross		2	126.00	0.50	0.50	63.00		
	Maruthinagara 7th cross		2	135.00	0.50	0.50	67.50		
	Maruthinagara 8th cross		2	200.00	0.50	0.50	100.00		
	Maruthinagara 2nd main		2	225.00	0.50	0.50	112.50		
	Maruthinagara 1st Cross		2	92.00	0.50	0.50	46.00		
	Maruthinagara 2nd cross		2	127.00	0.50	0.50	63.50		
	Maruthinagara 3rd cross		2	121.00	0.50	0.50	60.50		
	Maruthinagara 4th cross		2	107.00	0.50	0.50	53.50		
	Maruthinagara 5th cross		2	88.00	0.50	0.50	44.00		
	Maruthinagara 6th cross		2	55.00	0.50	0.50	27.50		
	Maruthinagara 7th cross		2	51.00	0.50	0.50	25.50		
	Bhadrappa layout main road		2	92.00	0.50	0.50	46.00		
			2	200.00	0.50	0.50	100.00		
	Bhadrappa layout 1st Cross		2	138.00	0.50	0.50	69.00		
	Bhadrappa layout 2nd cross		2	136.00	0.50	0.50	68.00		
	Bhadrappa layout 3rd cross		2	165.00	0.50	0.50	82.50		
	Bhadrappa layout 4th cross		2	178.00	0.50	0.50	89.00		
	Bhadrappa layout 5th cross		2	173.00	0.50	0.50	86.50		
	Bhadrappa layout 6th cross		2	161.00	0.50	0.50	80.50		
	Bhadrappa layout 7th cross		2	156.00	0.50	0.50	78.00		
	Bhadrappa layout 8th cross		2	175.00	0.50	0.50	87.50		
	Bhadrappa layout 9th cross		2	81.00	0.50	0.50	40.50		
	Bhadrappa layout 10th cross		2	191.00	0.50	0.50	95.50		
	For Culverts		5	6.00	1.80	0.75	40.50		
	Overburden earthwork		7	5.80	1.20	0.60	29.23		
							2078.23	199.36	414326.00
	Basic Rate	82.00							
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @6%	11.28							
	Total	199.36							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12 / Item No. 4.3 / PWD SR 2016-17	Cum							
	Culvert		5	6.00	1.80	0.15	8.10		
	Basic Rate	4867.00					8.10	5159.02	41788.00
	Area Weightage @ 6%	292.02							
	Total	5159.02							
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 34.8.2, PWD SR 2016-17	Cum							
			5x2	6.00	0.45	0.60	16.20		
							16.20	4438.22	71899.00
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	4438.22							
4	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.1, PWD SR 2016-17	Sqm							
			5x2	6.00		0.60	36.00		
							36.00	102.82	3702.00
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	102.82							
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.6 PWD SR 2016-17	Cum							
	Coping		2x5	6.00	0.45	0.10	1.08		
	Sloping concrete		2x5	6.00	0.60	0.15	2.16		
							3.24	5767.46	18687.00
	Basic Rate	5441.00							
	Area Weightage @ 6%	326.46							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total		5767.46						
6	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm	45	1.80		0.60	48.60		
							48.60	5125.00	249075.00
									523.00
7	Miscellaneous and unforeseen charges								
							Total		800000.00

(Rupees Eight Lakhs Only)

CERTIFICATE :

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per P.W.D S.R of 2016-17, KPWD SR 2010-11 & Approved Rate.
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 8

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. Eight- lakhs only

Head of A/c. P-1771

Div. Ref. No. 13/17-18 Date 04/09/17

AE 04/09

EE(BTP) 4/09

TECHNICAL SANCTION

Accorded For Rs. Eight- lakhs only

Head of A/c. P-1771

Div. Ref. No. 25/17-18 Date 04/09/17

AE 04/09

EE(BTP) 4/09